# Species of *Encarsia* Foerster (Hymenoptera: Aphelinidae) from Northeastern China\*

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**Abstract** In this paper, four species of *Encarsia* Foerster collected from northeastern China are reported, and a key is given for females. Except . *E. gigas* (Tshumakova), most of the species are first time reported in this region.

Key words: Encarsia: Aphelinidae: distribution.

The genus *Encarsia* Foerster contains over 200 described species worldwide (Woolley 1997). Thirty-eight species have been reported from China, but most occur in the southern part of the country (Liao et al. 1987; Hu et al. 1987; Viggiani et al. 1993; Huang 1994). Recently a systematic study of the family Aphelinidae of northeastern China was commenced, and four *Encarsia* species were collected in this region.

### Encarsia citrina (Craw)

Coccophagus citrinus Craw, 1891. Bull. Calif. State Bd. Hort. Div. Ent. Destructive Insects, 57:25

Aspidiotiphagus citrinus: Howard, 1894. Insect Life, 6:229.

*Prospaltoides howardi* Brethes, 1914. Nunquam Otiosus, Buenos Aies, pp.13-14.

Encarsia citrina: Viggiani & Mazzone, 1979. Boll. Lab. Ent. Agr. 36:42-50.

Aspidiotiphagus australiensis Girault, 1913. Arch. Naturgesch., (A)79(6):74.

**Host:** Aspidiotus destructor Signoret, Aonidiella citrina (Coquillett).

Distribution: Liaoning(Shenyang, Liaoyang,

Dalian), Jiangsu, Zhejiang, Fujian, Guangdong, Sichuan, Jiangxi, Taiwan, Shanghai, Hunan.

# Encarsia fasciata (Malenotti)

Prospaltella fasciata Malenotti, 1916. Redia 12(1-2):195-196.

Encarsia fasciata: Viggiani & Mazzone, 1979. Boll. Lab. Ent. Agr. 36:42-50.

Host: Aulacaspis sp.

**Distribution:** Heilongjiang(Harbin). Liaoning (Haicheng), Guangdong.

#### Encarsia gigas (Tshumakova)

*Prospaltella gigas* Tshumakova, 1957. J. Zool. 36:541. *Prospaltella gigantis* Erdos, 1958. Folia Ent. Hungarica 11:93.

Encarsia gigas: Viggiani & Mazzone, 1979. Boll. Lab.Ent. Agr. 36:42-50.

Host: Quadraspidiotus gigas (Thiem et Gerneck).

Distribution: Heilongjiang(Harbin, Shuihua, Hailun, Daqing).

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# Encarsia perniciosi (Tower)

Prospaltella perniciosi Tower, 1913. Ann. Ent. Sco. Amer., 6:125.

Encarsia perniciosi: Viggiani & Mazzone, 1979. Boll. Lab. Ent. Agr. 36:42-50.

Host: Quadraspidiotus pernisiosus (Comst.). **Distribution:** Liaoning(Haicheng, Liaoyang, Dalian), Zhejiang, Jiangxi, Guangdong.

# Key to the Species of *Encarsia* Foerster Collected from Northeastern China, Females

- - First funicular segment without longitudinal sensillae ...... E. perniciosi (Tower)

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